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10/536,650	05/26/2005	Stephen Brian Morris	P/63699	2473

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EXAMINER	
JOO, JOSHUA	

ART UNIT	PAPER NUMBER
2454	

NOTIFICATION DATE	DELIVERY MODE
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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Office Action Summary	Application No.	Applicant(s)	
	10/536,650	MORRIS, STEPHEN BRIAN	
	Examiner	Art Unit	
	JOSHUA JOO	2454	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *11 August 2009*.

2a)☒ This action is **FINAL**. 2b)☐ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *22-26 and 28-42* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *22-26 and 28-42* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on *11 August 2009* is/are: a)☒ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date _____
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____.
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____.

Detailed Action

This Office action is in response to Applicant's communication filed on 08/11/2009.

Claims 22-26, 28-42 are pending for examination.

Response to Arguments

Rejection of claims under 35 U.S.C 112, second paragraph, in the Office action dated 05/12/2009 is withdrawn in view of Applicant's amendment.

Applicant's arguments filed 08/11/2009 have been fully considered but they are not persuasive. Applicant argued that:

(1) Prolux fails to close that default values are determined by a computer program product in response to a user entering data into one of the editable fields in creating a Route Object. The default values in Prolux are not affected in any way by what a user specifies in an editable field.

In response, Examiner respectfully disagrees that Proulx fails to teach of using at least one the editable fields and its specified contents is to determine at least one default setting of at least one subsequent editable field presented to a user. Examiner will further clarify the rejection of the amendment. Table 6 shows that a user is provided with valid options. A selection of an option results in a default setting of a subsequent editable field. For instance, Point-to-Point results in "Endpoint A and Endpoint B field become visible with there default", "When this field is set to "MPLS & IP Forwarding" or "MPLS" the MPLS panel is accessible", when POS is selected, "The Sub layer Interface displays the POS parameters". Proulx further teaches of automatically populating information into a subsequent panel based on information previously specified by the user, such as into panel as presented in Table 6, and allowing a user to modify the information (Paragraph 0052-0054). A default setting of a subsequent editable field is presented based on user specified content of an editable field.

Drawings

Drawings filed on 08/11/2009 are accepted.

Claim Objections

Claims 22-26, 28-42 are objected to because of the following informalities:

a) Regarding claims 22, 26, 40-42, the term "its" should be replaced with what "its" is representing in order to clarify the claims, e.g. "specified contents of the editable fields".

b) Regarding claim 40, "the user" should be changed to "a user".

Appropriate correction is required.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 22-26, 28-32, 34-38, 40-42 are rejected under 35 U.S.C. 102(e) as being anticipated by Proulx et al. US Publication #2003/0137532 (Proulx hereinafter).

As per claim 22, Proulx teaches the invention as claimed including in a telecommunications network, a route object (RO) computer program product stored on a computer readable medium, comprising:

means for creating the RO for use in setting-up a connection in the telecommunications network which present a user with editable fields relating to types of the RO, and allows the user to specify

contents of at least one of the editable fields to create any one of the types of the RO defining routes through network elements of the telecommunications network (Paragraph 0040. New IP link type. Paragraph 0038. Configure IP link. Specify type of application, e.g. MPLS. Paragraph 0058. fig. 4. Fields for editing and specifying content.),

wherein, when the user specifies contents of the at least one editable field, at least one of the editable fields and its specified contents is used by the RO computer program product to determine at least one default setting of at least one subsequent editable field presented to the user (Paragraph 0052-0054. Information from user used to populate/derive values for panel(s). Table 6. Options result in subsequent settings.).

As per claim 40, Proulx teaches the invention as claimed including in a method for creating a route object (RO), comprising the steps of:

running a RO computer program stored on a computer readable medium which creates the RO for use in setting-up a connection in a telecommunications network which presents editable fields relating to types of the RO; and specifying contents of at least one of the editable fields to create any one of the types of the RO defining routes through network elements of the telecommunications network (Paragraph 0040. New IP link type. Paragraph 0038. Configure IP link. Specify type of application, e.g. MPLS. Paragraph 0058. fig. 4. Fields for editing and specifying content.),

wherein, when the user specifies the contents of the at least one editable field, at least one of the editable fields and its specified contents is used by the RO computer program product to determine at least one default setting of at least one subsequent editable field presented to the user (Paragraph 0052-0054. Information from user used to populate/derive values for panel(s). Table 6. Options result in subsequent settings.).

As per claim 41, Proulx teaches the invention as claimed including a network management system (NMS) comprising:

a route object (RO) computer program product stored on a computer readable medium including means for creating the RO for use in setting-up a connection in the telecommunications network which present a user with editable fields relating to types of the RO, and allows the user to specify contents of at least one of the editable fields to create any one of the types of the RO defining routes through network elements of the telecommunications network (Paragraph 0040. New IP link type. Paragraph 0038. Configure IP link. Specify type of application, e.g. MPLS. Paragraph 0058. fig. 4. Fields for editing and specifying content.),

wherein, when the user specifies the contents of the at least one editable field, at least one of the editable fields and its specified content is used by the RO computer program product to determine at least one default setting of at least one subsequent editable field presented to the user (Paragraph 0052-0054. Information from user used to populate/derive values for panel(s). Table 6. Options result in subsequent settings.).

As per claim 42, Proulx teaches the invention as claimed including a method of setting up a connection of a telecommunications network, comprising the steps of:

using a route object (RO) created using a RO computer program product stored on a computer readable medium operative for creating the RO for use in setting-up a connection in the telecommunications network, and presenting a user with editable fields relating to types of the RO, and allowing the user to specify contents of at least one of the editable fields to create any one of the types of the RO defining routes through network elements of the telecommunications network (Paragraph 0040. New IP link type. Paragraph 0038. Configure IP link. Specify type of application, e.g. MPLS. Paragraph 0058. fig. 4. Fields for editing and specifying content.),

wherein, when the user specifies contents of the at least one editable field, at least one of the editable fields and its specified contents is used by the RO computer program product to determine to determine at least one default setting of at least one subsequent editable field presented to the user ()Paragraph 0052-0054. Information from user used to populate/derive values for panel(s). Table 6. Options result in subsequent settings.).

As per claim 23, Proulx teaches the RO computer program product according to claim 22, in which the RO presents the at least one editable field relating to a type of route defined by the RO (Paragraph 0057. Point-to-Point link. Select Link application, Link type, parameters, etc…).

As per claim 24, Proulx teaches the RO computer program product according to claim 22, in which the RO presents at least one editable field relating to at least one network element (NE) of a route through the telecommunications defined by the RO (Paragraph 0058. Configure endpoint.).

As per claim 25, Proulx teaches the RO computer program product according to claim 22, in which each type of RO comprises at least one hop, and the RO computer product presents at least one editable field relating to the at least one hop of the RO (Paragraph 0058. New endpoint, e.g. router. Paragraph 0057. Provide IP address, parameters for endpoint. Table 3.1. Link type with supported hops, one or multi-hop. Paragraph 0058. Edit interface endpoint.).

As per claim 26, Proulx teaches the RO computer program product according to claim 22, in which, when the user specifies the contents of the at least one editable field, at least one of the editable fields and its specified contents is used by the RO computer program product to determine which

subsequent editable field is presented to the user (Paragraph 0043. Select point-to-subnet link. Make fields visible and invisible. Table 6. Fields displayed on New IP Link Form.).

As per claim 28, Proulx teaches the RO computer program product according to claim 22, and comprising means for modifying at least one RO (Claims 7 and 8. Paragraphs 0041; 0067; 0074. Modify or delete an IP link.).

As per claim 29, Proulx teaches the RO computer program product according to claim 22, and comprising means for copying at least one RO (Paragraph 0052. Paste existing path.).

As per claim 30, Proulx teaches the RO computer program product according to claim 22, and comprising means for storing at least one RO in a storage facility (Paragraphs 0056; 0076. Save into database.).

As per claim 31, Proulx teaches the RO computer program product according to claim 22, and comprising means for deleting at least one RO (Claim 8. Paragraphs 0041; 0067; 0074. Delete an IP link.).

As per claim 32, Proulx teaches the RO computer program product according to claim 22, and comprising means for discovering at least one RO (Paragraph 0057. Create by auto-discovery.).

As per claim 34, Proulx teaches the RO computer program product according to claim 22, and comprising means for interfacing with the user (fig. 4 and 7; paragraph 0057. GUI.).

As per claim 35, Proulx teaches the RO computer program product according to claim 34, in which the means for interfacing presents a same interface to the user regardless of a type of the RO to be created (Paragraph 0020. Dedicated GUI.).

As per claim 36, Proulx teaches the RO computer program according to claim 34, in which the means for interfacing comprises a graphical user interface (GUI) which presents at least one window to the user, to allow the user to create the RO (fig. 4 and 7; paragraph 0057. GUI. window).

As per claim 37, Proulx teaches the RO computer program according to claim 36, in which the GUI presents a network element (NE) listing window to the user which comprises a NE context menu having a create RO menu item which brings up a window comprising a RO creation dialog box, which comprises at least one editable field relating to at least one type of RO, and the user specifies the contents of at least one of the editable fields to create any one of the types of RO (Paragraph 0040. Option to select link type. Paragraph 0057. Window for Point-to-Point configuration.).

As per claim 38, Proulx teaches the RO computer program product according to claim 36, in which the RO being created comprises at least one hop, and the at least one hop is added to the RO using a window comprising a hop creation dialog box, which comprises at least one editable field relating to at least one type of hop, and the user specifies the contents of at least one of the editable fields a type of hop (Paragraph 0058. New endpoint, e.g. router. Paragraph 0057. Provide IP address, parameters for endpoint. Table 3.1. Link type with supported hops, one or multi-hop.).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claim 33 is rejected under 35 U.S.C. 103(a) as being unpatentable over Proulx, in view of Ahearn et al. US Patent #5,926,463 (Ahearn hereinafter).

As per claim 33, Proulx does not specifically teach the RO computer program product according to claim 22, and comprising means for discovering changes in the telecommunications network.

Ahearn teaches of an invention for managing a configuration of a computer network comprising of discovering changes in a telecommunications network (col. 8, lines 15-32; col. 10, lines 45-50).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings to discover changes in a telecommunications network. The motivation for the suggested combination is that Ahearn's teachings would improve management in Proulx's teachings by enabling detection of faulty connections and failures in the telecommunications network.

Claim 39 is rejected under 35 U.S.C. 103(a) as being unpatentable over Proulx, in view of White, US Publication #2003/0046657 (White hereinafter).

As per claim 39, Proulx teaches the RO computer program product according to claim 36, in which the GUI presents a network element (NE) listing window to the user which comprises a NE context menu having a create RO menu item which brings up a window comprising a creation dialog box, which comprises at least one editable field relating to at least one type of RO, and the user specifies the content of at least one of the fields to create any one of the types of RO (Paragraph 0040. Select link type to

present form. Paragraph 0057. Display new form.). Proulx does not specifically teach of the RO being created comprising a group of RO.

White teaches of configuring a group of RO (Paragraphs 0130; 0155. Configure route group comprising a plurality of routes.).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings to create a group of RO as taught by White for the above steps as taught by Proulx. The motivation for the suggested combination is that White's teachings would improve Proulx's teachings by enabling efficient configuration of devices with route information (Paragraph 0026).

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Joshua Joo whose telephone number is 571 272-3966. The examiner can normally be reached on Monday to Friday 7 to 4.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nathan J. Flynn can be reached on 571 272-1915. The fax phone number for the organization where this application or proceeding is assigned 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/J. J./
Examiner, Art Unit 2454

/NATHAN FLYNN/

Supervisory Patent Examiner, Art Unit 2454